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General Report R8-GR 1

AUDIO VISUAL AIDS

FOR URBAN AND COMMUNITY

FORESTRY

National FS Library
USDA Forest Service

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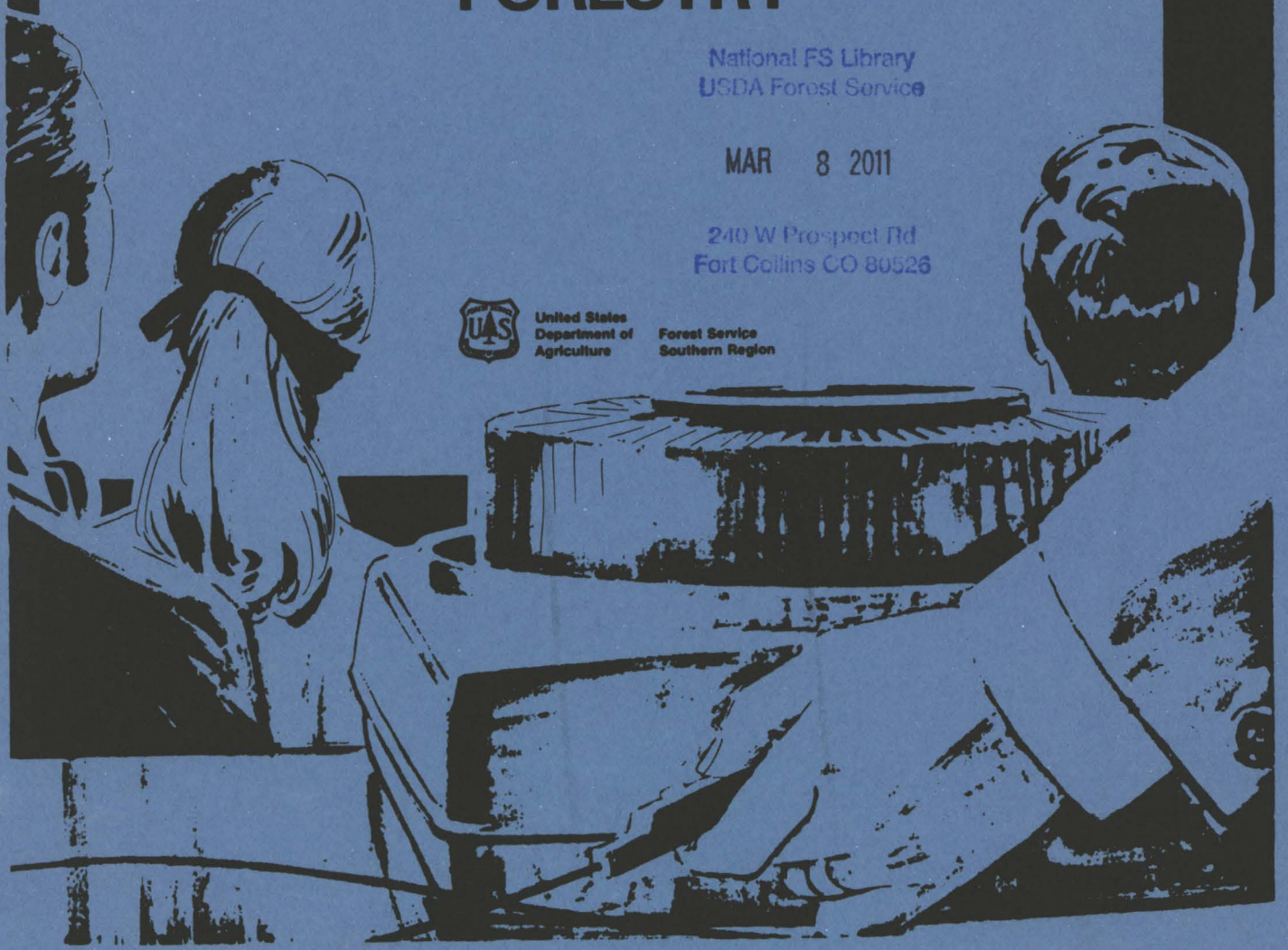
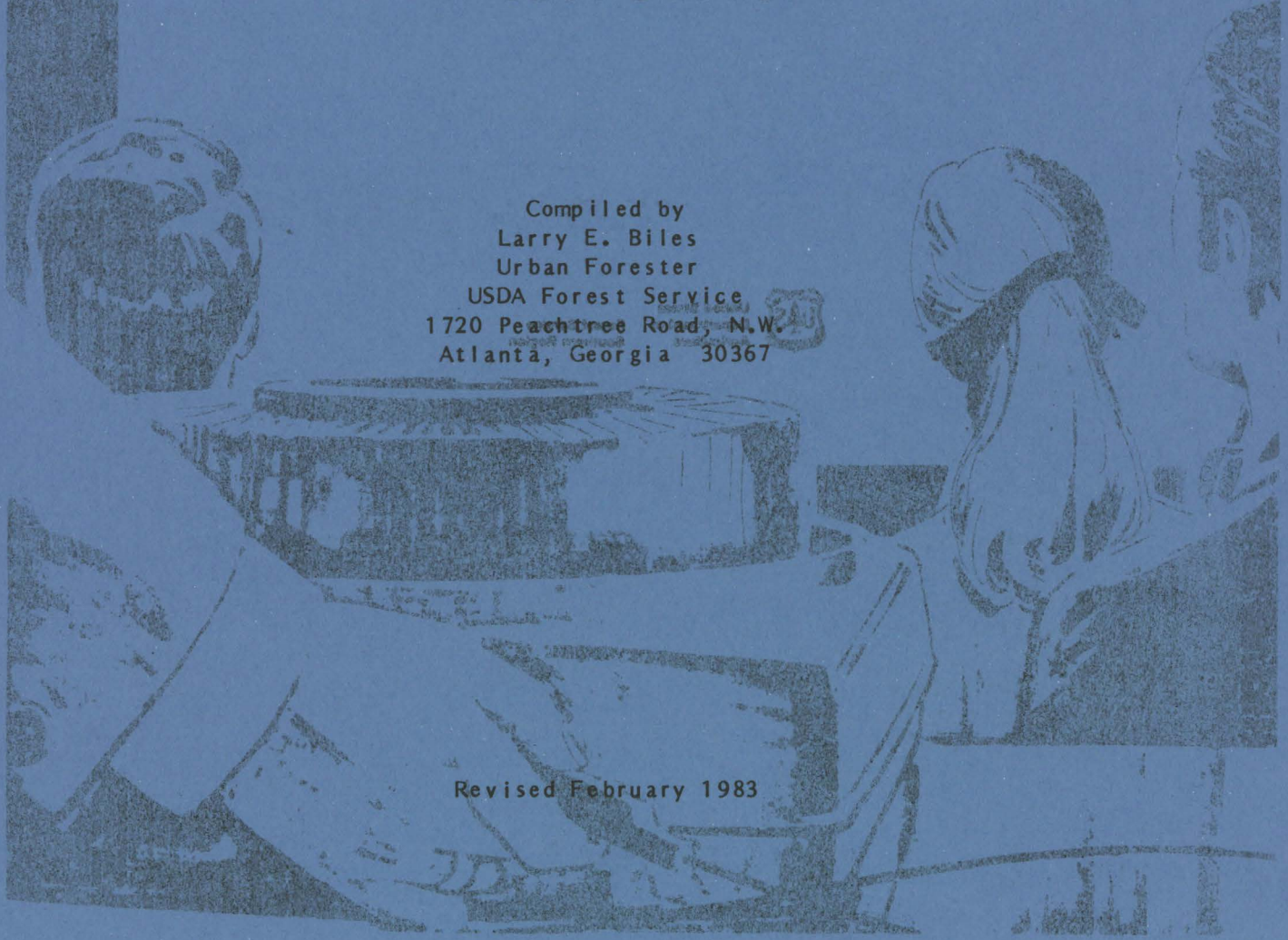


United States Department of Agriculture
Forest Service
Southern Region

This directory has been compiled in response to requests for a listing of audio visual information specific to urban and community forestry. The contents is based on the results of a call for audio visual information in September of 1981. Many of the producers of the material contained herein were contacted to ensure availability of the material and that they would honor requests for loan, rental or purchase. Responsibility for acquiring this material rests with the user and is to be handled via direct contact with the source(s) listed. Prices are subject to change.



Compiled by
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Urban Forester
USDA Forest Service
1720 Peachtree Road, N.W.
Atlanta, Georgia 30367

Revised February 1983

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Home Study In Arboriculture

Another source of training aids for Urban Foresters is the National Arborist Association's Home Study Program in Arboriculture. This program is a two phase program and is designed to provide technical and professional information to those engaged in shade and ornamental tree management and maintenance. Course content for Series I and II are listed below. For ordering and pricing information contact the National Arborist Association, Inc., 3537 Stratford Road, Wantagh, N.Y. 11793.

Series I

1. Anatomy and Physiology of Trees
2. Soils
3. Compartmentalization of Decay in Trees
4. Safety Practices for Workers in Shade Trees
5. Pruning of Shade and Ornamental Trees, Part I
6. Pruning of Shade and Ornamental Trees, Part II
7. Identification and Selection of Trees
8. Transplanting Shade and Ornamental Trees

Series II

9. Diagnosis of Shade and Ornamental Tree Problems
10. Non-Parasitic Injuries of Shade and Ornamental Trees
11. Insect Problems of Shade and Ornamental Trees
12. Disease Problems of Shade and Ornamental Trees
13. Pollution Damage to Trees and Ornamental Plants
14. Pest Management for Shade and Ornamental Trees
15. Fertilization and Watering of Shade and Ornamental Trees
16. Maintenance and Repair Practices for Shade and Ornamental Trees

FILMS

A Place To Be Human 28 minutes

This film explores problems of a community's man-made environment. It suggests how individuals, groups and local governments can help eliminate ugly, unsightly and unattractive communities and replace them with a humanized and beautiful community environment.

Order: Rental-Film Center
University of Illinois
1325 South Oak
Champaign, Il 61820

Purchase: W.R. Nelson
University of Illinois
1107 Dorner Drive
Urbana, Il 61801

Air Is For Breathing 29 minutes

A study of air pollution in the U.S. Free loan for a period of two weeks, can also be purchased.

Contact: Shell Film Libary
450 N. Meridian Street
Indianapolis, In 46204

Cities Must Choose 14 minutes

This film provides an introduction to the basic concepts of urban forestry, with emphasis on the physical and psychological benefits of trees and other vegetation in the city. The film also presents the type of work the urban forester is typically involved in, and the "tools" (i.e., street tree inventories, canopy analysis, etc.) an Urban Forester utilizes in carrying out the job.

General Use: Publication Center
USDA Forest Service
1720 Peachtree Road, N.W.
Atlanta, GA 30367

Dutch Elm Disease - Catalyst To Community Forestry 23 minutes

The purpose of this film is to document how the Dutch elm disease epidemic experience has clearly demonstrated the need for longterm community forestry programs.

The film explains the biology and history of the DED epidemic, and examines the primary control techniques in the Western Plains States. Then, using the DED problem as an example, the film explores the role of community forestry programs as a means of avoiding future problems, and providing long-term urban forest management.

Order: Colorado State Forest Service
Ft. Collins, CO 80521

Home Heating With Wood 23 minutes

This film is about the safe and efficient use of wood. Also includes information on the installation and operation of wood heating equipment.

Order: Media Services
Audio Visual Res. Center
Cornell University
8 Research Park
Ithaca, NY 14850

Rental Price: $15 New York; $17 elsewhere
Purchase Price: $253

Life On The Line 20 minutes

A film on the use of the aerial device for line clearance work. Free loan for short term use.

Order: Asplundh
Blair Mill Road
Willow Grove, PA 19090

The River Must Live 21 minutes

A photographic essay of the cause, effects, and solutions of water pollution. Free loan for a period of two weeks. Can also be purchased.

Contact: Shell Film Library
450 N. Meridian Street
Indianapolis, IN 46204

Sidewalks Of Shade 20 minutes

Discusses the value of trees in an urban environment and also illustrates how a community can get organized to develop a tree planting and maintenance program.

Rental: $16

Purchase: $275
Media Services
Audio Visual Res. Center
Cornell University
8 Research Park
Ithaca, NY 14850

The Singing Tree 15 minutes

A film about trees --for children. One hundred school children participate in the film, along with singer Billy B. Songs teach scientific concepts about the growth and function of trees--concepts such as photosynthesis, the absorption of soil nutrients and water by roots, and the protective role of bark. Originally produced for instructional television, the film is intended for 4th, 5th, and 6th graders.

Rental copies of this film are available from:

Bureau of Audio-Visual Instruction
University of Wisconsin-Extension
Box 2093, Madison, WI 53701
(Order by title and BAVI number 3790).
608-262-1644

Film Library
Univ. of Wisconsin-LaCrosse, WI 54601

Purchase-Contact:
Films
Dept. of Agriculture Journalism
Univ. of Wisconsin-Madison
440 Henry Mall, Madison, WI 53706
608-262-1463

Trees and People Need Each Other 26 minutes

Two tree experts explain how departments of public works, city commissions, forestry departments, private property owners, and tree care companies can maintain healthy trees in urban environments. The film stresses careful planning and periodic care through a comprehensive tree maintenance program.

Rental: Bureau of Audio Visual
Instruction
Univ. of WI-Extension
Box 2093
Madison, WI 53701

Purchase: Dept. of Agricultural
Journalism
Univ. of WI-Madison
440 Henry Mall
Madison, WI 53706

Trees And Their Care 29 minutes

Describes the recommended procedure for transplanting, pruning, spraying and repairing storm damaged trees. Also discusses insect and disease diagnosis and control procedures.

Purchase: International Film Bureau, Inc.
332 S. Michigan Ave.
Chicago, IL 60607

Rental: $27 for 3 days
$50 per week
$390 to purchase

The Urban Forest 15 minutes

An introduction to the value of trees in the urban environment, including a message on the importance of developing an urban tree planting and maintenance program.

Purchase: Dept. of Extension
Radio, Television, Film
Kansas State University
Manhattan, KS 66502

For
General Use
Contact: Publication Center
USDA Forest Service
1720 Peachtree Road, N.W.
Atlanta, GA 30367

Slide Cassette Programs

Aerial Rescue

A major cause of an emergency aloft is electric shock resulting from contact with an energized line.

This slide/cassette program illustrates a variety of emergency conditions and appropriate rescue techniques.

The program consists of 80 color slides, a tape cassette narrative, and a script.

Purchase price: $60 to NAA members, $120 to non-NAA members. (Address: bottom of page)

Air Pollution

105 slides, illustrates the effects of air pollution on vegetables and fruits (subset A), field crops (subset B), and ornamental plants and trees (subset C).

Photography Division
Office of Information
U.S. Dept. of Agriculture
Washington, DC 20250

Purchase price: $18.50 entire Set. $13 individual subsets.

Basic Instruction For The Tree Care Trainee

This slide/cassette program has been developed as an audio visual orientation for new employees. It illustrates the various functions that a tree care trainee performs and describes what is expected of the trainee. Includes 80 color slides.

The National Arborist Association, Inc.
3537 Stratford Road
Wantagh, NY 11793

Purchase price: $50 to NAA members, $100 to non-NAA members.

Chain Saw Use and Safety For The Professional Arborist

This slide/cassette program has been designed to provide an audio visual introduction to proper chain saw use and safety.

The National Arborist Association, Inc.
3537 Stratford Road
Wantagh, NY 11793

Purchase price: $50 to NAA members, $100 to non-NAA members.

Compartmentalization Of Decay In Trees (CODIT)

This slide tape describes an expanded understanding of the decay process in trees. Trees are highly compartmentalized plants. When injured, they tend to wall off the wound and contain the injury within the affected compartment.

Audio Visual Communications Company
P.O.Box 85
Radnor, PA 19087

Purchase price: $22

Construction Damage To Trees

Davey Tree Expert Company
Environmental Services Division
117 S. Water Street
Kent, OH 44240

Rental Price: $10

Electrical Hazards And Trees

This is a 2-part, 80 slides each, program designed to be used as a training aid in the qualifying of tree care personnel to work within 2 feet of an energized line up to 15,000 volts. This program is not to be considered as a substitute for field training but to be used and understood before field training begins. The program is only available as a package and includes information on identifying electrical hazards as well as recommended tree care practices around electrical conductors.

Purchase price: $160 to NAA members, $320 to non-NAA members. (Address: top of page)

Green Survival

The story of the series of small steps each of us can take to improve the quality of our lives.

American Association of Nurserymen
230 Southern Building
15th & H Streets, N.W.
Washington, DC 20005

Price $40/Set

Integrated Pest Management

An overview of "Integrated Pest Management" as condensed from the multi-image (3-screen) presentation of the same title. This does not go into detail to explain procedures, but only covers some of the ingredients of IPM to help in the awareness stage of the learning process. Cat. #78/121.

Visual Media
University of California
Davis, CA 95616
916-752-0590 (Rent for one week at $3.00)

Cost: $59.63

Knots & Ropes For Tree Care Operations

80 color slides. This slide/cassette program illustrates some of the knots and ropes used in tree care operations. It is particularly valuable to the new employee.

The National Arborist Association, Inc.
3537 Stratford Road
Wantagh, NY 11793

Purchase Price: $50 to NAA members, $100 to non-NAA members.

Maintaining Your Shade Trees' Health

Davey Tree Expert Company
117 S. Water Street
Kent, OH 44240

Rental Price: $10

Pest Management For Urban Trees

How can you minimize insect and disease damage to trees? Which species are resistant to which problems? Maintaining tree vigor through adequate water and nutrition and selecting trees to fit specific sites will eliminate many later problems. Species to avoid planting in certain areas are named and species with a better chance of surviving and growing in certain areas are suggested.

Media Services
Audio Visual Resource Center
Cornell University
8 Research Park
Ithaca, NY 14850

Pollution Damage To Trees

This slide/cassette program is designed to familiarize arborists with pollution damage symptoms.

The National Arborist Association, Inc.
3537 Stratford Road
Wantagh, NY 11793

Purchase price: $50 to NAA members, $100 to non-NAA members.

Professional Spraying Operations

This slide/cassette program has been designed to orient spray crews as well as pesticide enforcement officials in the techniques of proper shade tree spraying operations. It does not deal with insects, diseases or the use of pesticides, and is in no way intended to be a substitute for the training provided for certification purposes. Includes 80 color slides showing the highest standards of professional spraying operations.

The National Arborist Association, Inc.
3537 Stratford Road
Wantagh, NY 11793

Purchase price: $50 to NAA members, $100 to non-NAA members.

Pruning Evergreens

This slide/cassette program includes 80 color slides and provides familiarization with the techniques of pruning evergreen trees and shrubs.

The National Arborist Association, Inc.
3537 Stratford Road
Wantagh, NY 11793

Purchase price: $50 to NAA members, $100 to non-NAA members.

The Reasons For Fertilizing Urban Trees And Shrubs

This slide/cassette program provides an audio visual introduction to the reasons for applying fertilizer to urban trees and shrubs. Includes 80 color slides showing different conditions that necessitate the application of nutrients.

The National Arborist Association, Inc.
3537 Stratford Road
Wantagh, NY 11793

Purchase price: $50 to NAA members, $100 to non-NAA members.

The Reasons For Pruning

This slide/cassette program provides an audio visual introduction to the reasons for pruning. It can be used to supplement field experience or other training programs, such as the National Arborist Association's Home Study Program. Includes 80 color slides showing why trees and shrubs are pruned.

The National Arborist Association, Inc.
3537 Stratford Road
Wantagh, NY 11793

Purchase price: $50 to NAA members, $100 to non-NAA members.

Rx For Wounded Trees

This slide tape offers guidelines on how to maintain healthy trees. It offers suggestions on how to prevent tree damage and how to minimize damage after a tree has been wounded.

Audio Visual Communications Company
P.O. Box 85
Radnor, PA 19087

Purchase price: $22

Safe Use Of Herbicides

Discusses the correct use, storage, mixing and disposal of common arboricultural herbicides. A 25 minute tape with cassette narration.

Asplundh
Blair Mill Road
Willow Grove, PA 19090

Selecting And Planting Street Trees

How to select and plant trees of various types and sizes to ensure their survival. Characteristics to look for when selecting a tree so it will be compatible with the area when it is mature are discussed.

Media Services
Audio Visual Resource Center
Cornell University
8 Research Park
Ithaca, NY 14850

Selecting, Planting and Caring For The Young Shade Tree

This slide set describes the step-by-step process of selecting, planting, and caring for shade trees in the urban environment. The focus is on common problems and how to avoid them.

Bureau of Audio-Visual Instruction
P.O. Box 2093
Madison, WI 53701

Staking Landscape Trees

This set should be helpful for professionals and non-professionals in the turf and landscape field. It covers staking principles and techniques for landscape tree establishment.

Visual Media
University of California
Davis, CA 95616
916-752-0590 Cat. #636. Cost: $17.89

Street Tree Inventories

What are street tree inventories? How do you conduct one? What information do you want and what will it tell you? Who will collect information? Shows how street tree inventories can be used as management tools.

Media Services
Audio Visual Resource Center
Cornell University
8 Research Park
Ithaca, NY 14850

Street Tree Maintenance

What must be done to keep trees healthy? Designed to make members of street tree committees more aware of the activities they should consider when managing urban trees: pruning, cavity filling, fertilizing and cabling and bracing.

Media Services
Audio Visual Resource Center
Cornell University
8 Research Park
Ithaca, NY 14850

The Technique of Cable Bracing

This slide/cassette program has been designed to supplement field experience or other training programs, such as the National Arborist Association's Home Study Program. Includes 80 color slides detailing the technique of the eye splice, all the tools required and the actual installation of a cable.

The National Arborist Association, Inc.
3537 Stratford Road
Wantagh, NY 1 1793

Purchase price: $50 to NAA members, $100 to non-NAA members.

The Technique Of Spraying

This slide/cassette program has been designed to train spray crews in the techniques of spraying. It does not deal with insects, diseases or the use of pesticides and is in no way intended to be a substitute for the training provided for certification purposes. Includes 69 color slides dealing with the foreman's responsibilities, the function of the helper, reaching the tops of the trees, protecting the clients' property and other aspects of spraying.

The National Arborist Association, Inc.
3537 Stratford Road
Wantagh, NY 11793

Purchase price: $50 to NAA members, $100 to non-NAA members.

The Tools And Techniques Of Fertilizing Urban Trees And Shrubs

This slide/cassette program has been developed as an audio visual orientation to the process of applying nutrients to urban trees and shrubs.

The National Arborist Association, Inc.
3537 Stratford Road
Wantagh, NY 11793

Purchase price: $50 to NAA members, $100 to non-NAA members.

The Tools And Techniques Of Pruning

This slide/cassette program has been designed to supplement field pruning experience. It includes 79 color slides showing the various tools required to prune, as well as the reason for using them. It also discusses various cutting techniques such as cutting back, drop crotching, and jump cuts.

The National Arborist Association, Inc.
3537 Stratford Road
Wantagh, NY 11793

Purchase price: $50 to NAA members, $100 to non-NAA members.

Tree Care Safety

This is a 4-part, 80 slides each, program illustrating all of the safety requirements set forth in the American National Standards Institute's (ANSI) "Safety Requirements for Pruning, Trimming, Repairing, Maintaining and Removing Trees, and for Cutting Brush." Covers personal safety, equipment safety, operational safety, general safety. This standard is the basis for the tree care industry's OSHA requirements. The program is only available as a package containing all four component slide/cassette programs.

The National Arborist Association, Inc.
3537 Stratford Road
Wantagh, NY 11793

Purchase price: $200 to NAA members, $400 to non-NAA members.

The Tree Casualty Puzzle

American Association of Nurserymen. This 15 minute presentation covers the subject of tree and landscape values and discusses the steps property owners can take to regain losses incurred by casualty.

Council Of Tree And Landscape Appraisers
232 Southern Building
Washington, DC 20005

Rental fee: $15, Purchase price: $65

Tree City USA

This slide show provides information for starting a community forestry program, a brief history of Arbor Day, and outlines the steps a community needs to follow to become a "Tree City USA."

National Arbor Day Foundation
Arbor Lodge 100
Nebraska City, NE 68410

Purchase price: $30

Tree Climbing Techniques For The Professional Arborist

This slide/cassette program provides an audio visual introduction to tree climbing techniques. It can be used to supplement actual field experience. Includes 80 color slides showing different aspects for tree climbing.

The National Arborist Association, Inc.
3537 Stratford Road
Wantagh, NY 11793

Purchase price: $50 to NAA members, $100 to non-NAA members.

Trees For Confined Root Zones

Container plantings can be practical when space is limited. Containers and trees must be harmonized with the surroundings. The program covers freeze injury, submerged planters, and drainage. It also suggests that species be carefully selected, and gives examples.

Media Services
Audio Visual Resource Center
Cornell University
8 Research Park
Ithaca, NY 14850

Trees For Urban Roadways

Proper species selection is vital when planting trees near urban roadways. Cold weather, snow, wind, deicing salt, length of growing season, and motor vehicle exhaust fumes are all factors that must be considered. Shows the effect of urban conditions at specific sites on the survival of the tree and suggests species for certain areas. Planning the planting to accommodate the growth of the tree is vital.

Media Services
Audio Visual Resource Center
Cornell University
8 Research Park
Ithaca, NY 14850

A Tree Hurts Too

This slide tape illustrates how decay develops in living trees and how trees react to wounds. It also tells what individuals can do to prevent damage to trees.

Audio Visual Communications Company
P.O. Box 85
Radnor, PA 19087

Purchase Price: $22

Tree Qualities

This slide tape discusses eight major points dealing with tree qualities. The illustrations graphically show which tree should be considered by professional people or interested homeowners for a particular landscape.

Visual Media
University of California
Davis, CA 95616
916-752-0590 (Rentals one week for $3.00)

Cat. #78/130. Cost to purchase: $11.53

Tree Removal Techniques For The Professional Arborist

This slide/cassette program provides an audio visual introduction to tree removal techniques. It can be used to supplement actual field experience. Includes 80 color slides showing different phases of tree removal.

The National Arborist Association, Inc.
3537 Stratford Road
Wantagh, NY 11793

Purchase price: $50 to NAA members, $100 to non-NAA members.

Urban Climate Slide Show

80 color slides and cassette tape. Available for short term loan. $5.00 postage and handling fee. Write:

Fred Bartenstein
Dayton Climate Project
City Managers Office
Box 22
Dayton, OH 45401

What Trees Do For Your Community

This slide set illustrates how trees can be used to save energy, filter the air, control glare, and reduce runoff. It also illustrates how trees can make the urban environment a more pleasant place to live.

Bureau of Audio-Visual Instruction
P.O. Box 2093
Madison, WI 53701